

NOTAS

•
• 9804 - 9923
•



Arthur Cronquist
New York Botanical
Garden
New York 58, N.Y.
U.S.A.

agave November 4, 1962
pl. oak-pine woods in
the mountains about 32
road miles west of Ayutla,
and about 70 miles northwest
of Oaxaca, state of Jalisco,
Mexico. Elevation about
6300 feet. Disk yellow.
Ray 1-5, typically 5, white.

Calea sp.

Calea (10)

V. 582

9805 - November 4, 1962,
Same place as 9804.
Flowers white. Plants
single-stemmed.

Eupatorium lemmoni Rob.

Eupatorium (5)

9806 - November 4, 1962
In wet soil along the edge
of a creek in the mountains
about 32 road miles west
of Aguila, and about 70
miles northwest of Acatlan,
state of Jalisco, Mexico.
Elevation about 6300 feet.
Disk yellow. Rays white,
mostly 8.

Cosmos mcvaughii Sherff
det. E.E. Sherff

Helianthus (9)

11. 1962

9507- November 5, 1962
open oak-pine woods in
the mountains about 19
road miles west of Ayutla
and about 60 miles north-
west of Acapulco, state
of Jalisco, Mexico. Elevation
about 6100 feet. Plants 6-8
dm. tall, much branched,
shrubby below, the
branches of the season
somewhat glaucous. Heads
white, with one or two
ray. anthers green.

Guardiola mexicana Humb. &
Bonpl.

Guardiola (10)

9808 - November 5, 1962
Subtropical deciduous
forest about 11 miles
south of Acatlan,
state of Jalisco, Mexico.
Elevation about 4200 feet.
Scrambling arborescent
shrub up to about 4
m. tall, the trunk up to
about 1 dm. thick at the
base. Heads bright deep
orange. Achenes flattened,
winged. Pappus a pair of awns.

Verbesina Crocata (Cav.) Less.

2000

Verbesina (8) ✓

November 7, 1962 - 9809

Marshy meadow about 4.5 miles west of Juanacatlan, and a few miles southeast of Guadalajara, state of Jalisco, Mexico. Elevation about 5000 feet. Heads Plants rhizomatous, single stem arising from the base. Heads yellow, with typically 5 rays, these apparently fertile. Achenes long, narrow, somewhat flattened but not winged.

Bidens aurea (Ait.) Sherff
dupl. det. E.E. Sherff

11K 7

680.5
83.0

Coreopsis? (5)

9810 - November 7, 1962.

Same place as 9809.

Plants single-stemmed
from a short taproot,
up to 1 m. or ~~more~~ more tall.
Disk bright yellow. Ray
solitary, rather pale yellow.

Schkuhria schkurioides (Link &
Otto) Thellung

add Helianthoid (8)

Atotonilquillo - U. 1962

9811 - November 7, 1962

In shallow standing water at the edge of Atotonilquillo, about 25 miles southeast of Guadalupe, State of Jalisco, Mexico. Elevation about 5000 feet. Plants evidently annual, but the stem coarse at the base. Heads yellow, with 13-39 rays.

Olivaea tricuspis Sch.-Bip.

Atotonilquillo - edge. 696.

13-39

719

26.4 gwt

47.8

Olivaea (7)

9812 - November 8, 1963
Grassy site along a trickling
stream in the bajana of the
Rio Grande de Santiago,
about 5 road miles north-
west of Guadalajara, state
of Jalisco, Mexico.

Not far above the bottom
of the bajana. Elevation
about 3500 feet.

Shrub, single stemmed,
about 2 m. tall.
Flowers white.

Eupatorium quadrangulare DC.

~~San Antonio, U.S.A.~~

November 8, 1962

Shrub in shade of
subtropical deciduous
forest not far above the
bottom of the barranca
of the Rio Grande de Santiago,
about 5 road miles north-
east of Guadalajara, State
of Jalisco, Mexico. Eleva-
tion about 3500 feet.
Flowers inconspicuous

Brickellia diffusa (Vahl) Gray

Brickellia ⑦

✓

7318 - November 8, 1962
Openings in ~~the~~ subtropical
deciduous forest not far
above the bottom of the
baranca of the Rio Grande
de Santiago, about 5 road
miles northeast of Guadalupe,
state of Jalisco,
Mexico. ~~Shrub. The~~
~~same species also observed~~
~~near the top.~~ Elevation
about 3500 feet. The same
species observed near the
top of the baranca, at
nearly 5000 feet. Shrubs
1-1.5 m. tall. Heads yellow
with ^{neutral} 8-12 rays. Ray akenes
empty, with a pappus of 3 small
scales. Pappus 7 thin lemmas of
2 awn scales and about 4 shorter
scales. *Viguiera dentata* (Cav.) Spreng.
var. *canescens* (DC.) Blake
(7)

355 - November 8, 1962

In subtropical decid-
uous forest zone in the
barrenca of the Rio Grande
de Santiago, not far below
the top, about 5 road miles
northeast of Guadalajara,
state of Jalisco, Mexico.
Elevation about 4500 feet.
Shrubs about 1 m. tall.
Heads yellow.

Trixis hyposericea S. Wats.
Type locality

Trixis (10)

9816 - November 8, 1962
Same place as 9815, but
elevation about 5000 feet.
Much branched shrubs,
up than 1 m. tall, with
drooping leaves.

Flowers white, with
one or no rays. Anthers
green

Guardiola angustifolia (Gray) Rob.

Pl. ... 9, 1962
... along a small
stream 15 miles north
of Mazatlán ...
to San Cristóbal de la Barranca,
State of Jalisco, Mexico
Elevation 5000 feet.

Plants more or less shrubby
around the base, less than 1 m.
tall. Heads orange-yellow.
... 13 rays.

Coreopsis cordylocarpa Gray

... 10.

9818 - November 9, 1962
Same place as 9817. Plants
about 6 dm tall. In flower
longer than broad toward the
base. Rays 10-13.
Lemon-yellow. White rays.

Same place as 9817 (1962) (1962)

↑ 1962 - 1963
In open oak grass country
about 15 miles north of
Guasolapara, state of Jalisco,
Mexico. Elevation
about 5100 feet.

Climbing shrub about 1.5
m tall. Inner involucres
bracts orange to purple.
Achenes compressed-quadangular,
not winged; pappus of 4 short,
broad, laciniate-fringed
scales. Ray achenes apparently
sterile, with reduced pappus.

? *Viguiera parhycephala* (DC.) Hemsl.

Salinas (3)

5822 - November 9, 1962

Open, grassy, northwest slope
of small ravine in oak-grass
savanna region about 10 road
miles north of Guadalupe, a
road to San Cristobal de la
Cruz, state of Jalisco, Mexico.
Elevation about 5,000 feet.
Plants 8-15 dm. tall. Flowers
white.

Calea albida Gray

9821 - November 9, 1962.

Open oak grass savanna
about 17 road miles
north of Yucalapa, on
the road to San Cristobal de La
Cruz, state of Jalisco,
Mexico. Elevation about
5200 feet.

Plants about 1 m. tall, shrubby toward the
Ray 5. Light yellow. Disk ^{very}
orange.

Cosmos landii Sherff

Cosmos (2)

7822. November 9, 1962
Open oak-grass savanna
country about 23 road
miles north of Huehuetla,
on the road to San Cristobal
de la Barranca, State of
Oaxaca, Mexico. Elevation
about 4900 feet.

Plants shrubby, toward
the base, up to about 1 m.
tall. Heads yellow. Rays
10, typically 5, sterile ^{micro-}in
with reduced pappus. Achenes
plump, extremely hispid, con-
stricted at the base into a small
ring that is crowned by a pappus
of several short, more or less
connate scales.

Aspilia angusta Blake

9. 1922
In a very small flat part
near the hamlet of San
Cristobal de la Barroca
(volcanic rock), 25 road miles
north of Tepic, Jalisco, on
the road to San Cristobal de la
Barroca. Elevation about
1500 feet. Heads yellow
with 5 rays. Pappus

Pappus mostly of 2 elongate,
flattened awn-scales and 3
shorter scales, all more or less
ciliate. Plants variably covered
with a dense tomentum,
perhaps resulting from fungus
attack.

Tagetes subulata Cerv.

Tagetes (5)

9824 - November 9, 1962

Rachy, ...hyalitic slopes
in the barranca of the Rio
Grande de Santiago, about 25
road miles north of Guadala-
lara, state of Jalisco, Mexico.
Elevation about 4500 ft.

Plants several-stemmed,
shrubby herb, up to about 1
m. tall. Flowers white

Eupatorium thyrsoiflorum
(Greene) Rob.

Eupatorium thyrsoiflorum (9)

980 - 5 - November 9, 1962
Same place as 9824.
Shrub about 1-1.5 m. tall.
Flowers white

Stevia subpubescens Lag.

Stevia (1)

8226 - November 10, 1962
Shady places in small
ravine in subtropical
deciduous forest 5 road
miles southwest of
Mezquital del Oro, and
about 45 road miles north
of Guadalajara, state of
Zacatecas, Mexico.
Elevation about 4300 feet.
Stems solitary.
Flowers lavender-pink.

Stevia elongata HBK. ✓

7001 - November 10, 1962
in open grassy area
about 7.5 miles
southwest of Mezquital
del Cano, and less than a
mile from the boundary
of Jalisco, about 42 mi
road miles north of
Guadalupe, state of
Zacatecas, Mexico. Eleva-
tion about 4500 feet.
Stems numerous, clustered
upright, woody caudex.
Flowers dull whitish

Brickellia scoparia (DC.) Gray

Brickellia (8)

7828 - November 13, 1962

Pale, alkaline, probably
gypsiferous soil in dis-
turbed zone along the
road in larrea association,
about 58 miles north of
the Tehuala, state of
Durango, Mexico.
Elevation about 6000 feet
Heads yellow, with
mostly 8 rays

Hymenoxys odorata DC.

Hymenoxys (7)

9139 - November 13, 1951
In sandy, disturbed sites
along the road in Larrea
community about 3 miles
south of San Roberto, and
about 75 miles north
of Matkuala, state
of Nuevo Leon, Mexico.
Elevation about ~~to~~
6200 feet.

Dicranocarpus parviflorus
Gray

6200'
313.0

✓

Dicranocarpus (2)

9830 - November 13, 1962
In shaly, disturbed
sites along the road in
Larrea community about
3 miles south of San Roberto,
and about 75 miles north
of Mazatlán, state of
Nayarit, Mexico.
Elevation about 6200 feet.
Heads yellow, with 2-5
rays.

Psilostrophe gnaphalodes
DC.

28
Psilostrophe ①

Same place as 78 & 79
Shrub mostly 2-3
m tall. Heads yellow.
Rays typically 8,
sometimes only 5, neutral.
Achenes compressed-quadrangular.
Pappus none.

Viguiera greggii (Gray) Blake

2 3 4

14 15 16

Viguiera greggii

(4)

9832 - November 13, 1962
Same place as 9830.
Heads yellow, with
about 13 rays.

^s
Dysodia pentachaeta (Oc.) Rob.

13
Dysodia (6)

9833 - November 13, 1962

Same place as 9830

Finely branched, glabrous,
~~and~~ sweetly aromatic.
Shrubs 6-15 dm. tall.
Hairs dull yellow.

Flourensia cernua DC.

Flourensia

(16)

9834. November 13, 1962
Same place as 9830.

Freely branched shrubs
3-4 dm. tall, wider
than high.

Flowers whitish

Brickellia veronicaefolia (HBK.)
Gray

Brickellia ⑨

2835 - 4/13/1923

2835

Low half shrub 1-3 dm.
Fls. flowers whitish

Brickellia veronicaefolia (HBK.)
Gray

Low *Brickellia* (8)

9836 - November 13, 1962
Same place as 9830.

Plants with long, stout
rhizomes and more or
less clustered stems.

Heads yellow.

Solidago velutina DC.

Solidago (4)

9837 Nov. 13, 1962
Same place as 9833.
~~Fernaria~~ ~~penta~~ bright
lavender-pink.

Perezia nana Gray

Perezia (5)

9838 - November 13, 1962
Same place as 9830.
Heads yellow.

Dysodia acerosa DC.

Haplophyllum (5)

9357 - December 13, 1962
Discovered sites along
the road in limestone
area in ~~association~~
40 miles south of Saltillo,
~~state of Coahuila~~ 5 miles
south of the Coahuila
boundary, state of Nuevo
Leon, Mexico. Elevation
about 6300 feet. Herbs
orange, with mostly 8 rays.
Plants aromatic, the odor
somewhat like that of
marigolds.

Dysodia subintegerrima Lag.

6 rays
T agilis

9800 - November 13, 1962

In low places along the roadside in Larrea association 6 miles north of Saltillo, state of Coahuila, Mexico. Elevation about 4700 feet.

Shrubs or half-shrubs up to about 1 m. tall. Heads yellow, with mostly 8 rays, these pistillate and fertile, the pappus represented by a hairy fringe at the base.

Disk achenes without pappus.

Zaluzania robinsonii W. M. Sharp

4-10

11

Zaluzania (5)

July 11, 1952. 13, 1952.
in Larrea association,
17 miles south of San
Jaguar, and about 60
miles south of Guadalupe,
State of Coahuila, Mexico.
Elevation about 3400 feet.
Finely branched shrubs
5-15 dm tall. Heads yellow,
rather faint 13-21 rays.
Pappus none. Ray achenes sterile.

Viguiera stenoloba Blake

1953. Larrea association
4953

5-15 dm.
13-21 rays
- *Chrysopsis* (7)

9842 - November 13, 1962
In rock crevices in
the canyon 5 miles north
of San Javier and 40 miles
south of Mazatlán, state
of Coahuila, Mexico.
Elevation about 3700 feet.
Intersitely down-sloped
about 3-6 ft. tall.
Flowers white or faintly
pinkish, 4-11 per head

Eupatorium wrightii Gray

Blue (6)

7868. March 18, 1902

In dry, gravelly
sandy soil, and on
rocky roadside banks
along the highway 5 miles
north of San Lazaro, and
40 miles south of Maricopa,
state of Coahuila, Mexico.
Elevation about 3700 feet.
Shrubs or half shrubs up
to about 6 dm. tall.
Leaves and young branches
glaucous. Heads yellow

Perophyllum scoparium Gray

Boltonia ①

2227

669

322 2227

1998

2290

1998

2920

2997

58599

54183

4416

12-11-11 54183
12-11-11 58599

Indian Spgs
Lat Wells

253.6 Ca 3

299.0

322.7

558.79

Thoma's Camp

236.1

Granite

132.9

72 ft

156.9

Needles

240.7

500

Camp

267.4

1855

Big is Dam pt.

77.1

Searchlight

97.7

3650

Mary

587.7

1100

Veget

753.0

24007

Lake

26.4

Searchlight

1.0.0

11000

9884. April 2, 1964

Lincoln Co., Mohave Co.

In very sandy soil along the
bottom of the G. & M. river, just
above highway U.S. 91, 2.5 miles
northwest of Mesquite, Nevada.

Arborescent shrub community.

Elevation about 3000 ft.

Stems prostrate or nearly so
forming loose rosettes, the
lower part of the stem in
a sand. Corolla small, about
5 mm long, lavender, the base
with a large central white
spot.

Astragalus nuttallianus A. DC.
var. imperfectus (Rydb.) Barnaby
det. R. C. Barnaby

Astragalus (35) ✓ !

135 - April 25, 1964

Cahuilla, San Diego Co.
In sandy, granitic soil with
a chrysostoma on hilltops in
Colorado zone 23 miles
north of Cocanido. Elevation
about 1000 feet. Irish sunflower
yellow. Rays 5-8, pale yellow

Lasthenia (C. a.) chrysostoma
(F. & M.) Ornduff

✓
Cahuilla (4) - 742.6 ✓

7976 April 25, 1964
California, San Diego Co.
with *Adenostoma* and
Chamaecrista on granitic hill
in chaparral zone, 23 miles
north of Escondido.

Elevation about 1000 feet.

Broadly rounded low shrub
about 3 dm tall or scrambling
to 15 dm. Corolla bright
blue-purple; anthers yellow
filaments green

Solanum parishii Heller

(9)



Shrub #1

April 25, 1964
San Jacinto, San Diego Co.
At base of a granitic slope,
with *Artemisia* and
Yucca, in Chaparral
zone, 1/2 mile north of
Escondido. Elevation
about 1000 feet.
Plants branched, many stem-
med, woody below, 5-12
in tall, sometimes \pm
spreading. Heads sunflower
yellow. Rays 5.

Eriophyllum confertiflorum (DC.)
Gray

Eriophyllum (5) ✓ ✓ photo #2

9888 April 26 1964

California, San Diego Co.

dry, sandy, granitic soil at canyon
summit 2 miles north of
Tecate (Mexico), in Chaparral
community dominated by
Adenostoma. Elevation about 1500
feet. Twp. 18 S., R. 3 or 4 W.
Shrubs 1-2.5 m. tall, sparsely
distributed. Flowers yellow

Penstemon antirrhinoides Benth.

✓
35, 16.7 = 3

1037. P. (26 1964)

Same place as 1038

Flowers rich blue-violet
Seeds numerous, reticulate-pitted.

Phacelia parryi Torr.

Phacelia

(30)



9890- April 26, 1964

Same place as 9888

Heads yellow. Rays mostly
5 or 8, less often 6 or 7

Eriophyllum wallacei (Gray)
Gray

Eriophyllum (5) ✓✓

1964 - Apr. 26, 1964

California, San Diego Co.

Climbing to 2 m. or more in
shrubbery, chaparral vegetation,
dominated by *Adenostoma*,
at low summit 2 miles north
of T. state (Mexico) of flowers
crimson. Leaves somewhat
glaucous, especially beneath.
Elevation about 2000 feet.
Twp. 18 S., R. 3 or 4 W.

Lathyrus splendens Kell.

Lathyrus (16) ✓✓

9892 April 26, 1964,
California, San Diego Co.
Climbing in shrubbery, in
chaparral vegetation dominated
by *Adenostoma*, at lower
summit 2 miles north of
Tecate (Mexico). Elevation
about 2000 feet. Twp. 18 S., R. 3 or 4 W.
Sepals 4 or seldom 6, white
or faintly greenish. Stamens
achrooleucus.

Clematis pauciflora Nutt.

9892 (6) ✓

9838 April 26, 1961

Same place as 9838.

Plants pungently hispid.
Flowers lavender.

Phacelia cicutaria Greene
var. *hispida* (Gray) J. T. Howell

Phacelia

⑧



9894 - April 26, 1964

Same place as 9888.

Flowers white. Plants mostly falling into two classes on the basis of corolla size, otherwise apparently identical. Style obviously surpassing the nectars, these conspicuously tuberculate.

Cryptantha muricata (H. & A.)

Nels. & Macbr.



(10)

- all same?

April 27, 1964
California, Imperial Co.
Sand dunes 22 miles west
of Yuma, Arizona.
Elevation about 100 feet

Stems solitary or loosely
colonial, the widely spreading
rhizomes (or roots?) deeply
buried in the sand. Corolla
pale lavender, almost white.
Lip lobes more evidently
lavender, pink. Plants
up to about 1 m. tall,
openly branched.

Palafoxia linearis (Cov.) Eng.
var. *gigantea* M. E. Jones

Brodiaea

(7)



9896 - April 27, 1964
Same place as 9895.

Plants loosely colonial, the
upper part of the stem
deeply buried in the sand.
Rays yellow, mostly 13 (14).
Disk corolla with yellowish
tube and reddish-purple lobes.

Helianthus tephrodes Gray

Arizona, Yuma Co.
Sandy bottoms along
dry wash about 12 miles
east of Yuma. Elevation
about 200 feet.

Bushy trees up to about 6 m.
tall, the trunk up to 3 dm.
thick at the base. Branches and
twigs green, the twigs slightly
blue-glaucous. Flowers yellow.

Cercidium floridum Benth.

1958

P. S. S. S.

7



photos 315

photos 7 & 8:

7: Acetillo, flowering bush
diplacis, in the desert 2.1 miles
northwest of Yuma, Arizona -
with creosote & *Franseria* 065.4

8: Creosote bush - same place.
at milepost 46

5 miles south of Quartzsite
Yuma Co: many of *Canaligos*
with *Franseria*

9313 April 27, 1964
Arizona, Yuma Co.
Shrubby banks along
dry wash in the desert
40 miles northeast of Yuma
and 43 miles south of Quartzite.
Elevation about 1000 feet.
Stems branched & woody up
to about 7 dm. tall. Twigs
gray, scarcely and shortly
hairy below. Heads yellow.

Bebbia juncea (Benth.) Greene.
This form has been called
condensata Greene

860

Bebbia

35



photo #7

9899 - April 28, 1964

Same place as 9898.

Shrubs up to about 9 dm. tall.
Heads yellow. Rays 8-14, a few 13.

Encelia farinosa Gray

✓

photo #10

90 - April 27, 1961.

Same place as 9848

climbs up to about 60m. tall
Flowers yellow.

Trixis californica Kell.

Perlycia (4) ✓ ✓

April 11

9901 - April 27, 1964

Same place as 9878

Shrub up to about 2 m. high.
Leaves becoming glaucous on
both sides. Inflorescences
reflexed. Flowers greenish.

Simmondsia chinensis (Link.) Schneid.

Simmondsia

13



plate # 12

9702 - April 27, 1964
In sandy gravel along the
bottom of a dry wash in the
desert 40 miles northeast of
Yuma and 43 miles south of
Prestite, Yuma Co., Ariz.
Elevation about 1000 feet.
Leaves whitish.

Chromosome number determined
by James L. Reveal as $n = 20$.

Eriogonum deflexum Torr.
var. *brachypetum* (T. & G.) Munz

Eriogonum

3 ✓

9903 - April 28, 1964

Gravelly banks of dry wash in
the desert 40 miles northeast
of Yuma and 43 miles south of
Quantico. Yuma Co, Arizona.
Elevation about 1000 feet.

Loose, finely branched shrubs
up to about 1 m. tall. Flowers
pale yellowish.

Brickellia coulteri Gray

9:04 April 28, 1964

In ~~Arizona~~

Arizona, Yuma Co.
In sandy gravel along the bottom
of a dry wash in the desert
40 miles northeast of Yuma
and 43 miles south of
Quantz. Elevation about
1000 feet

Euphorbia polycarpa Benth.
var. *hirtella* Boiss.

Euphorbia (Chamaejasme) 3 ✓✓

9905 - April 28, 1964

Arizona, Yuma Co.

Sandy gravel along the bottom
and margins of a dry wash
in the desert 4 miles north of
Quartzite. Elevation about 1000 feet.

Twp. 5 N., R. 18 or 19 W.

Shrubs up to about 8 dm. high.
Heads yellow.

Encelia frutescens Gray

Sierrita

35

photo 21

Plot # 2. sample 1
9905 - 4 miles. of mesquite

1966 - April 28, 1964

Arizona, Yuma Co. Sandy, gravelly
bottom of dry wash in the desert
4 miles north of Quartzite.

Elevation about 1000 feet.

Twp. 5 N, R. 18 or 19 W.

Annuals. Stems bright green,
somewhat glaucous. Beneath
whitish.

Chromosome number determined
by James L. Reveal as $n=20$.

Eriogonum deflexum Torr.
var. *brachyrodum* (T. & G.) Munz

Eriogonum

(10)



April 23, 1961

Yuma Co.

Gravelly soil along the
margin of a dry wash in
the desert 4 miles north of
Quartzite. Elevation about
1000 feet. Twp. 5 N., R. 18 or 19 W.

Leaving on 2:5

, and thoroughly
exhausted quit bit. Petals
faded, dull purplish, the
inner bright white, juice
with a rather unpleasant odor.

Sarcostemma cynanchoides Desne.
subsp. *hortwegii* (Vail) R. Holm

Asclepias (4) ✓

7708 - April 28, 1964
California, San Bernardino Co.
In sandy soil in a broad,
very shallow dry wash
in Larrea desert about 24
miles northwest of Needles,
Calif. and 28 miles south
of Searchlight, Nevada.
Elevation about 1700 feet.
Twp. 11 N., R. 20 E.

Winter annual with a stout
upright, multistemmed
from the base, the stems
erect-ascending, or the
central one erect. Flowers
white.

Chaetochloa clausenii ~~var.~~
Torr. & Gray.
var. *clausenii* (Wats.) H. & A.

Chaetochloa

(13) ✓

9901 - Apr 28, 1964
Same place as 9908.
Flowers white.

Oenothera refracta Wats.

slender white *Oenothera* ① ✓

9910 - April 28, 1964

Same place as 9908.

Flowers white.

Chenopodium decorticans (H. & A.)
Greene

var. *condensata* Murr.

✓
✓
Same, but *Chenopodium* - all same? ①

April 29, 1904

California, San Bernardino Co.

Same place as 2705.

Much branched, broadly
spreading shrub up to about 10 m.
high. Branches green with
a thin glaucous covering.
Flowers yellow. Calyx pale
2-4 cm. long.

Cassia armata Wats.

Cressia?

(35)

Whole # 3

9912 - April 29, 1964

Same place as 9908

Flowers yellow.

Chromosome number determined
by James L. Reveal as $n=16$.

Eriogonum reniforme Torr.

Reveal

(35)



773 April 29, 1961.

Same place as 770's.

Corolla minute, white.

Stamens finely tuberculate,
surpassed by the style, 3 of them
scarcely 1 mm long, the 4th one
obaxial, slightly over 1 mm long,
and more persistent than the
others.

Cryptantha angustifolia (Torr.)
Greene

Cryptantha (3) ✓

9914 - April 29, 1964

Same place as 9958. Much
branched half-shrubs up to
about 6 dm. tall.

Lepidium fremontii S. Wats.

Lepidium (15) ✓ photo 4

990 - April 29 1968
Same place as 993.

Weakly branched spring shrub
up to about 6 dm. tall.

Branches blue-gray
tender. Tips of the corolla rich
blue purple, the calice dull
greenish lavender, with
whitish margins

Salazaria mexicana Torr.

Shrub. (2) ✓ Plant #5 ✓

9916. May 1, 1968
Nevada, Nye Co. Gentile,
gravelly slopes above the
northwest end of ~~Fremont~~
Yucca Flat, not far below the
east base of Rainier Mesa,
about 39 miles north of
Mercury. *Collocynthis*
canadensis. Elevation
about 5000 feet
Rays 5, yellow. Disk orange -
yellow.

Syntherisma pappus fremontii Gray

5300 519.8
Eriophyllum

(11) ✓

9917 . May 1, 1964

Nevada, Nye Co.

Gravelly, limestone soil
a little above the bottom
of a dry wash, with
Coleogyne, Atriplex, and
Ephedra, a little above the
upper limit of the Larrea
community, 2 miles
northwest of Mercury. \times
Elevation 4300'.

Stems glaucous. Flowers
light yellow. Chromosome
number det. by James L. Reveal
8n = 16.

Near the corner of Twp. 15-16S.,
R. 53-54E.

~~Eriogonum inflatum Torr.~~

E. trichopes Torr. fide T. Howell,
May 21, 1964

Eriogonum

(11) ✓

9518 - May 1, 1964
Nevada, ~~the~~ Nye Co.
Rocky, northeast-facing
limestone slope with
Ephedra etc., a little above
the upper limits of the
Sarcobatus community, 2 miles
northeast of Mercury.
Elevation about ~~4700~~ 4700
feet. Twp. 15S., R. 54E.,

Plants mesphitic. Corolla
lavender, with light
yellowish throat.

near the corner of 14-15S.,
and 53-54E.

Gilia scopulorum Jones

Gilia (5) ✓

9919 - May 2, 1964

Nevada, Clark Co.

Gravelly outwash slopes of the
Charleston Mts. near the bottom
of the valley between the
Charleston Mts. and the Sheep
Mts., about 2.5 miles S.W.
northwest of Las Vegas community.

Twp. 17S., R. 58E., about S. 25
Elevation about 3100 feet. ~~Common.~~

Stems & branches glaucous.
Flowers rather light yellow.

Only the larger plants with
inflated peduncles. Plants
abundant.

Chromosome number determined
by James L. Reveal as $n=16$.

Eriogonum inflatum Torr.

19-7, 20.0, 22.8

Eriogonum inflatum (5) ✓

9920- May 2, 1964

Nevada, Clark Co.

Gravelly outwash slopes of the
Charleston Mts., near the bottom of
the valley between the Charleston
Mts. and the Sheep Mts., about 25
miles northwest of Las Vegas, in
the Lanea community. Sparse,
and seen only where the soil is
influenced by peculiar clay
deposits which stand up above
the general level of the gravelly
fan. Twp. 17S, R. 58E., about S 25.
Elevation about 3100 feet.
Flowers lavender.

Phacelia pulchella Gray

var. *goodenigii* (Brand) J. T. Howell

Phacelia ③

9921- May 2, 1964-
Nevada, Clark Co. Same
place as 9919.

Plants moderately abundant.
Corolla flecked with
lavender-purple on a pale
lavender background.

Langloisia setosissima (T. & G.) Green.

446

Langloisia (5) ✓✓

9922 - May 3, 1964

Nevada, Clark Co.

On volcanic outcrops in Larrea
desert overlooking the Colorado
River, 10 miles east of Search-
light.

Elevation about 1500 feet

Brittle, soft-wooded shrubs or
half-shrubs up to about 6 dm.
tall. Plants very pungently
hispid. Corolla white, perhaps
faintly ochroleucous.

Lucasia *arvensis* Parry

22.5

1570

Mentzelia (35)

photo # 7

9923 - May 3, 1964

Nevada, Clark Co

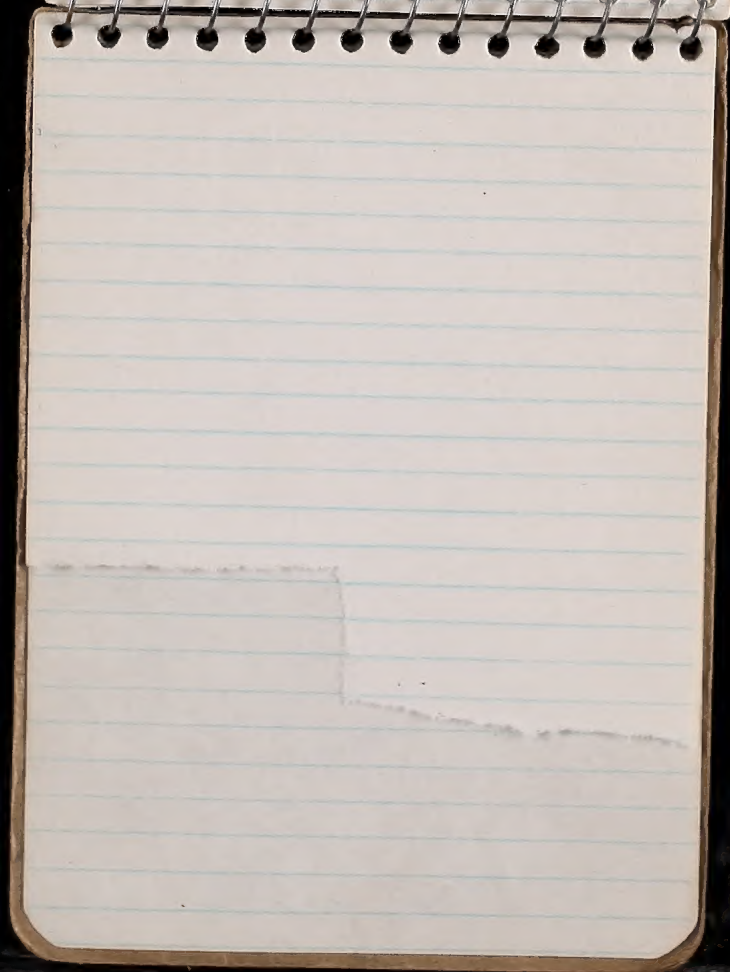
Same place as 9922

Shrubs up to about 8 dm. tall.
Leaves bright green, glutinous.
Corolla pale yellow, the anthers
brighter yellow.

Peucephyllum schottii Gray

516

Peucephyllum (35) ✓ photo #6



70 798-2 ~~apoy~~

Warren
Brennan
Douglas
Black
Clark
Goldberg
White
Stowick

399. Saltells
471 San Lazaro
516 modera

San Roberto 3 Mat.

